

## LCD Backlights

### Abstract Doc

**Category:** Light Guide\Wedge, Light Guide\Structure on Top Surface, Enhance. Film\Prism Up, Enhance. Film\Prism Down, Advantage\Uniformity

**Category Definition:** 

[Link to Atlas Electronic Library Translation Services](#)

**Title:**

**Light guide plate for background illumination of LCD element - has light emitting area in which two straight lines are set to vary projection rate light beam per unit area of light emitting surface**

**Patent Assignee:**

KONICA CORP

KONS

**Abstract:**

**Abstract (Basic): JP 09197134A**

The light guide plate (100) which is formed by injection moulding, has a number of projections formed in a light emitting surface. Similarly, a number of grooves are formed in the light receiving surface. The light beam received to the light receiving surface is projected out through the projection.

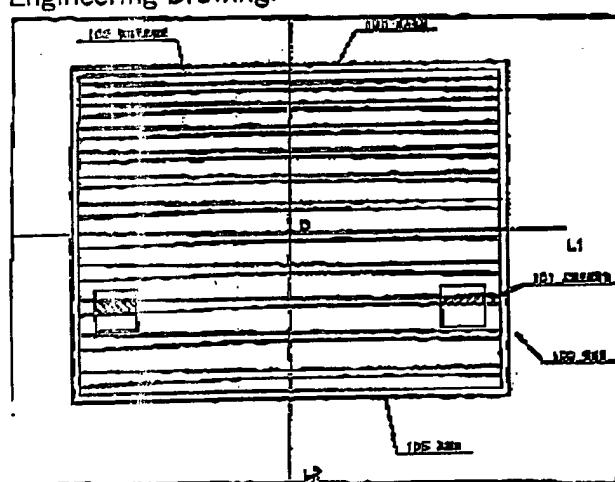
A first straight line (L1) is set parallel to the length direction of the light emitting media. A second straight line (L2) is set parallel to the width direction of the light emitting area. The first and second straight lines are made to pass along the centre (O) of the light emitting area. The light beam projection rate per unit area of the light emitting surface is varied by the straight lines.

**ADVANTAGE** - Prevents brightness non-uniformity generation. Enables uniform radiation of light beam.

Dwg.1/G

**Clipped Images:**

Engineering Drawing:



**Patent Family:** If available, click on fulltext doclink to view the associated fulltext/image doc.

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JP	09197134	A	19970731	199741	020
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**Priorities:**

Country	Serial	Date	Type
JP	0003894	19960112	A

**Application, Citations, Coding Information, Index Terms:**

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